150-Watt 7-Piece Home Theater Audio System

with 5 DVD/CD Changer

31-5024

RCA

CONTENTS

Introduction 3
- Region Management Information 3
- Notes on Copyright 3
- Important Safety Instructions 3

Parts and Functions 4
- Front Panel 4
- Back Panel 5
- Remote Control 6

Preparation 7
- Placement 7
- Safety 7
- Condensation 7
- Installing Batteries in the Remote Control 7

Connections 8
- Connecting Your TV 8
- Connecting a VCR 8
- Connecting Other Audio Equipment 9
- Connecting Antennas 9
- Connecting the Speakers 10
- Power Cord Connection 10

Operation 11
- Disc Formats 11
- Watching a DVD 11
- Watching a Videotape 11
- Using the Remote Control 11
- Turning on the Unit and TV 11
- Adjusting the Sound 12
- Selecting the Listening Channel 12
- Playing a Disc 12
- Special Functions 14
- Programmable Memory 15
- Playing MP3 and Picture File CDs 16
- Tuning to a Station Manually 16
- FM Stereo 16
- To Search for a Station Automatically 17
- Customizing the Function Settings 17

Language Code List for Disc Language 20

Care 21
- Service and Repair 21
- Cleaning the unit 21
- Cleaning a Disc 21

Troubleshooting 22

The FCC Wants You to Know 23

Specifications 24

INTRODUCTION

Thank you for purchasing the RadioShack 150-Watt 7-Piece Home Theater Audio System with 5-DVD/CD Changer. This system incorporates some of the best features in home theater technology. It comes with a shielded center-channel speaker, a low pass-type subwoofer, two shielded front-channel speakers, two surround speakers, an AM and FM antenna, remote control, and a receiver equipped with a tuner and a DVD player.

Your Home Theater System is ETL listed to UL standards and meets all applicable FCC requirements.

REGION MANAGEMENT INFORMATION

This DVD Player is designed and manufactured to respond to the Region Management Information recorded on a DVD disc. If the region number on the DVD disc does not correspond to the region number of this DVD player, this DVD player cannot play that disc. The region number of this DVD player is 1 (USA/CANADA).

Notes on Unauthorized Discs

You may not be able to play back some DVD video discs on this player if they were purchased from outside your geographic area, or made for business purposes.

NOTES ON COPYRIGHT

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, or rent copyrighted material without permission. DVD video discs are copy protected, and any recordings made from these discs will be distorted. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

Retain Instructions - The safety and operating instructions should be retained for future reference.

Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.

Follow Instructions - All instructions should be followed.

Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a book case or cabinet, that may impede the flow of air through the ventilation openings.

Heat - The appliance should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.

Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions, or as marked on the appliance.

Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance are not defeated.

Power-Cord Protection - Power-supply cords should be routed so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and where they exit from the appliance.

Cleaning - Clean only as recommended by the manufacturer.

Power Lines - Locate outdoor antenna away from power lines.

Outdoor Antenna Grounding - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Nonuse Periods - The appliance power cord should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry - Care should be taken so that objects do not fall, and liquids are not spilled, into the unit openings.

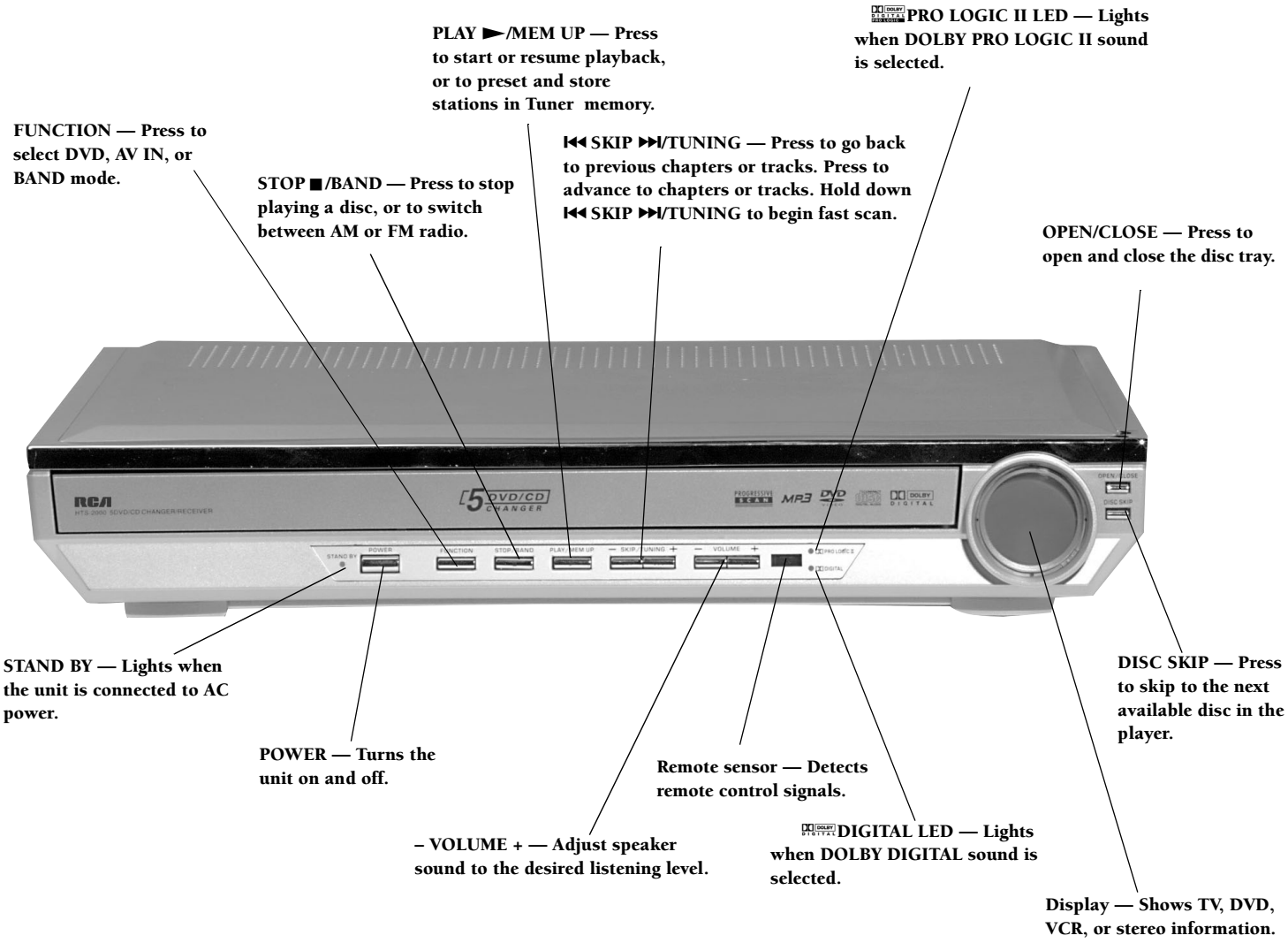
Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled, into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

PARTS AND FUNCTIONS

FRONT PANEL


FUNCTION — Press to select DVD, AV IN, or BAND mode.
STOP ■/BAND — Press to stop playing a disc, or to switch between AM or FM radio.
PLAY ►/MEM UP — Press to start or resume playback, or to preset and store stations in Tuner memory.
⏮ SKIP ⏭/TUNING — Press to go back to previous chapters or tracks. Press to advance to chapters or tracks. Hold down ⏮ SKIP ⏭/TUNING to begin fast scan.
PRO LOGIC II LED — Lights when DOLBY PRO LOGIC II sound is selected.
OPEN/CLOSE — Press to open and close the disc tray.
STAND BY — Lights when the unit is connected to AC power.
POWER — Turns the unit on and off.
– VOLUME + — Adjust speaker sound to the desired listening level.
Remote sensor — Detects remote control signals.
DIGITAL LED — Lights when DOLBY DIGITAL sound is selected.
DISC SKIP — Press to skip to the next available disc in the player.
Display — Shows TV, DVD, VCR, or stereo information.

BACK PANEL

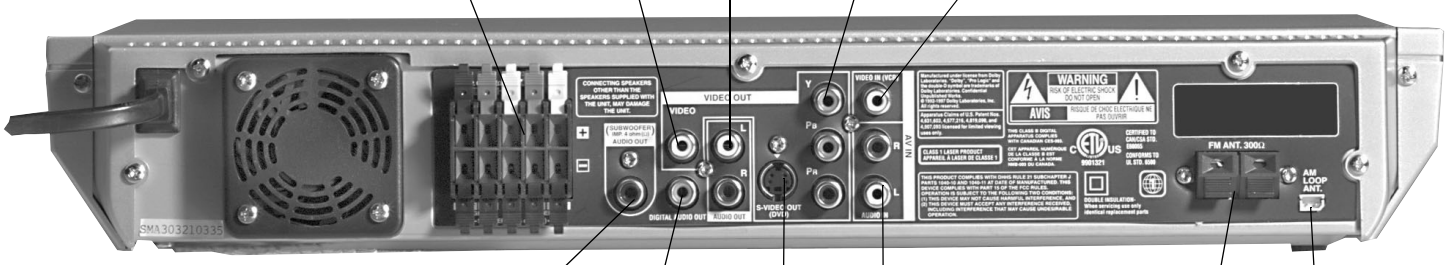
AUDIO OUT (L/R) jacks — Use to connect to your TV.

VIDEO OUT jack — Use the supplied audio/video cable to connect to your TV.

Y, PB/CB, PR/CR VIDEO OUT jacks — Connect to your TV using component video output or progressive output.

Color-Coded Speaker Terminals

VIDEO IN (VCR) jack — Use a video cable to connect to a VCR.



SUBWOOFER OUT jack — Use an RCA cable to connect to the subwoofer speaker.

DIGITAL AUDIO OUT jack — Use a coaxial cable to connect to external equipment.

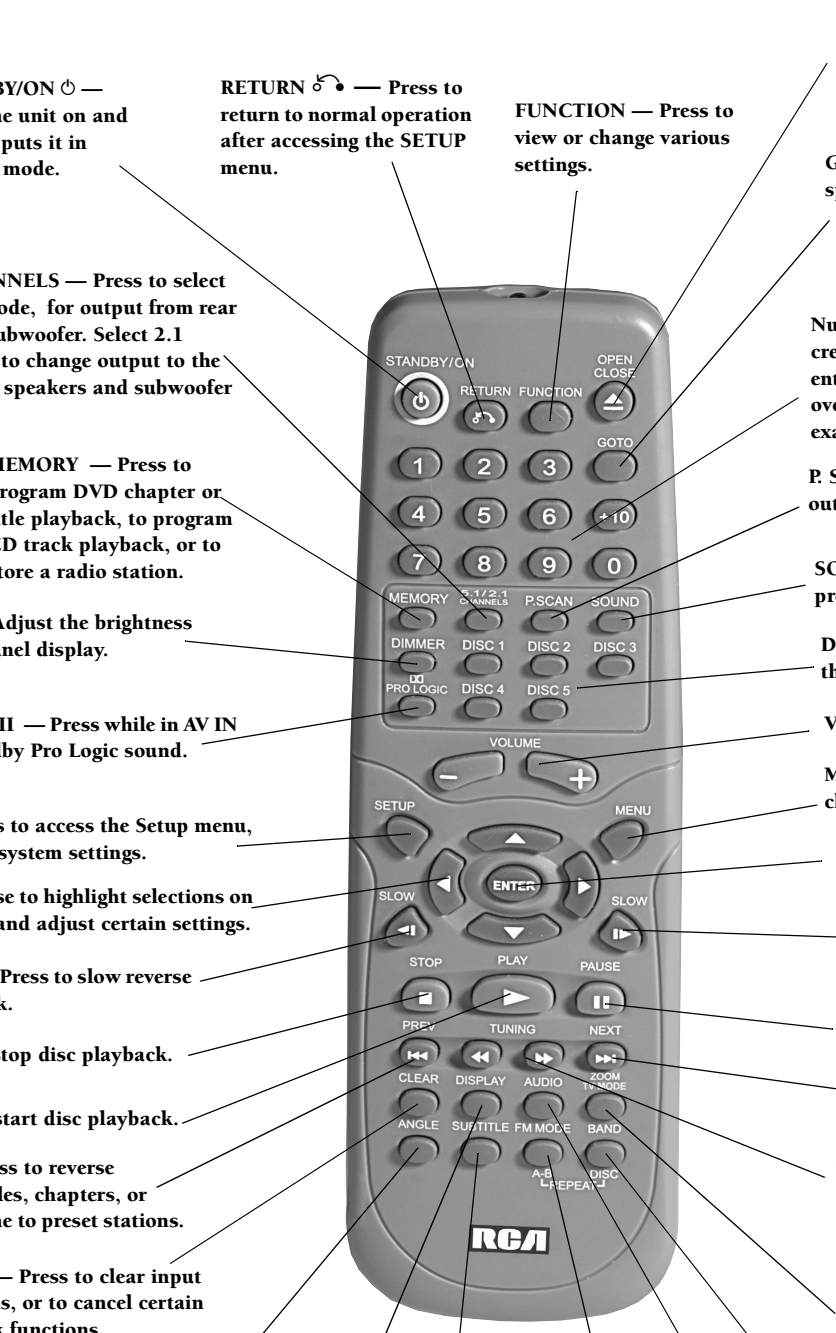
AV IN (L/R) jacks — Use an audio cable to connect to your VCR audio.

FM ANT. 300Ω — Connect the supplied FM wire antenna here.

AM LOOP ANT. — Connect the supplied AM loop antenna here.

S-VIDEO OUT (DVD) jack — Use an S-Video cable to connect to your TV.

REMOTE CONTROL



STANDBY/ON ⏻ — Turns the unit on and off, and puts it in standby mode.

RETURN ↶ — Press to return to normal operation after accessing the SETUP menu.

FUNCTION — Press to view or change various settings.

OPEN/CLOSE ⏏ — Press to open or close the disc tray.

GOTO — Press to go directly to a specific location on a DVD disc.

5.1 / 2.1 CHANNELS — Press to select 5.1 channel mode, for output from rear speaker and subwoofer. Select 2.1 channel mode to change output to the front left/right speakers and subwoofer speaker.

MEMORY — Press to program DVD chapter or title playback, to program CD track playback, or to store a radio station.

Number Buttons (0 - 9) and (+10) — Use when creating programs, entering channel numbers, or entering a parental level password. To enter numbers over 9, press +10, and then the second number. For example, to enter 18, press +10, 8.

P. SCAN — Press to toggle between YUV output and progressive scan Video output.

SOUND — Press to change YUV output to progressive scan video mode, or back to CVBS mode.

DIMMER — Adjust the brightness of the front panel display.

DISC 1 - 5 — Press the button corresponding to the loaded disc to activate it.

PRO LOGIC II — Press while in AV IN mode to use Dolby Pro Logic sound.

VOLUME –/+ — Adjust the volume.

SETUP — Press to access the Setup menu, and customize system settings.

MENU — Press to open and close the DVD menu.

▼, ▲, ◄, ► — Use to highlight selections on a menu screen and adjust certain settings.

ENTER — Press to confirm a selection.

SLOW ◄‖ — Press to slow reverse DVD playback.

SLOW ‖► — Press to slow forward DVD playback.

STOP ■ — Press to stop disc playback.

PAUSE ‖ — Press to pause disc playback.

PLAY ► — Press to start disc playback.

NEXT ⏭ — Press to forward through disc titles, chapters, or tracks, or tune to preset stations.

PREV ⏮ — Press to reverse through disc titles, chapters, or tracks, or to tune to preset stations.

TUNING ◄◄ and ►► — Press to fast reverse or fast forward disc playback. Or, press to scan for all available radio stations.

CLEAR — Press to clear input selections, or to cancel certain playback functions.

ZOOM/TV MODE — Press to zoom in on an image. Or, press to select the video output signal.

ANGLE — Press to change the camera angle when scenes with multiple angles are recorded on a DVD.

SUBTITLE — Press to select DVD subtitle language.

BAND/REPEAT DISC — Press to toggle between AM or FM radio. Or, press to repeat playback of a DVD chapter or title, or to repeat a single track or whole audio CD.

DISPLAY — Press to view disc time elapsed and remaining playback time, or to access the Function menu.

FM MODE / REPEAT A–B — Press to select FM STEREO for FM stereo sound, or FM MONO for mono sound. Or, perform point-to-point repeat playback on a DVD or CD.

AUDIO — Press to select an audio soundtrack programmed on a DVD, or to select DVD/CD audio format.

PREPARATION

You must connect a TV to the system in order to use the system's DVD player. You can also connect other audio and audio/visual components to the system.

PLACEMENT

- Do note expose the unit to dripping or splashing.
- Do not use the unit in places which are extremely hot, cold, dusty, or humid.
- Place the unit on a flat and even surface.
- Do not restrict the air flow of the unit by placing it in an area with poor air flow, by covering it with a cloth, or by placing it on carpeting.

SAFETY

- When connecting or disconnecting the AC cord, grip the plug, not the cord itself. Pulling the cord may damage it and create a hazard.
- When you are not going to use the unit for a long period of time, disconnect the AC power cord.

CONDENSATION

When left in a warm or damp room, water droplets or condensation may form inside the unit. When there is condensation inside the unit, the unit may not function normally. Let the unit stand for a few hours before turning the power on, or gradually heat the room up and dry the unit before use.

Warnings:

- Should any trouble occur, disconnect the AC power cord and refer servicing to a qualified technician.
- Do not place anything directly on the top of the unit. Damage to the unit can result. This product contains a low power laser device.

Note: The system comes with one set of audio/video cables. Your local RadioShack store sells a wide variety of audio/video cables if you need additional cables to connect more components.

INSTALLING BATTERIES IN THE REMOTE CONTROL

Your remote control requires two AA batteries (not supplied) for power.

1. Press in on the tab on the battery compartment cover, and lift to remove it.
2. Place the batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside.
3. Replace the cover.

When the remote control stops operating properly, replace the batteries.

Notes:

- Do not burn or bury batteries.
- Dispose of old batteries promptly and properly.
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the remote for a month or longer, remove the batteries. Batteries can leak chemicals that can damage electronic parts.

CONNECTIONS

CONNECTING YOUR TV

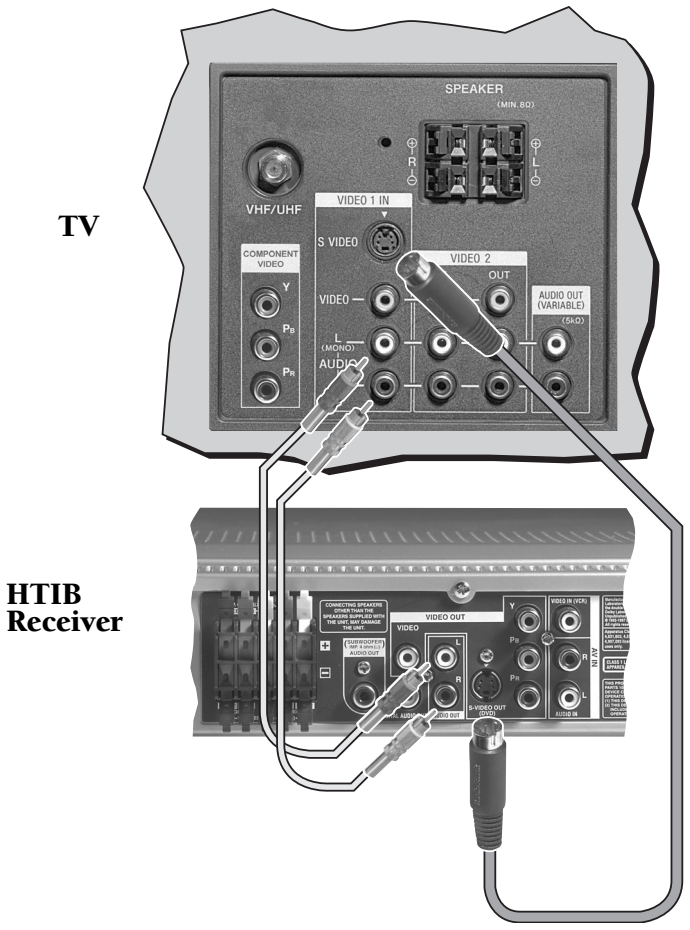
The unit can be connected to your TV in several different ways, depending on the design of your TV. Always make sure the power is off and the power cord is disconnected from the wall outlet.

Coaxial Antenna Jack

Some TVs do not have RCA or S-Video jacks; they have a coaxial antenna jack. To connect this unit to such TVs, you must use an RF modulator (not supplied, available at RadioShack).

S-Video Jack

1. Use an S-Video cable (not supplied, available at your local RadioShack store) to connect the **S-VIDEO (DVD)** jack on your unit to the S-VIDEO IN jack on your TV.
2. Use the supplied audio/video cable to connect ONLY the **AUDIO OUT L/R** jacks on your unit to the AUDIO IN jack on your TV. Do not connect the yellow Video plug.



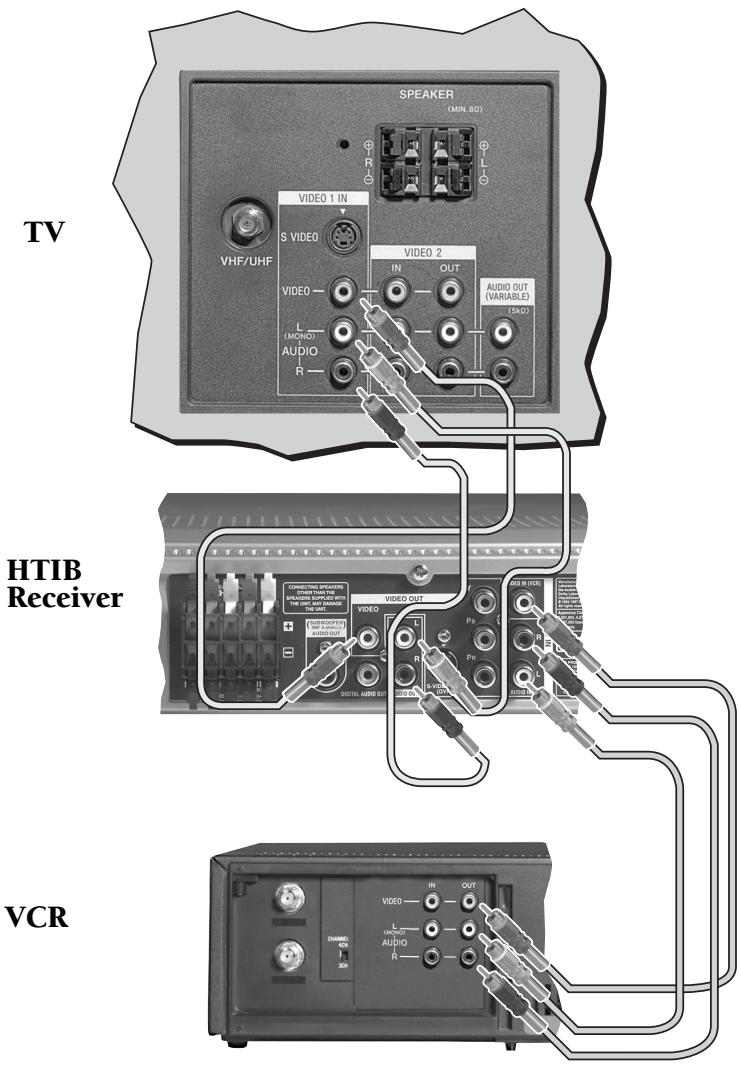
RCA Audio/Video Jacks

1. Connect the supplied audio/video cable's yellow plug to the **VIDEO OUT** jack on your unit. Connect the other end to your TV's VIDEO IN jack. See diagram of "Connecting a VCR".
2. Connect the **AUDIO OUT L/R** jacks on your unit to your TV's AUDIO IN jacks.

Note: Do not connect S-Video, Component Video, and Video Output at the same time.

CONNECTING A VCR

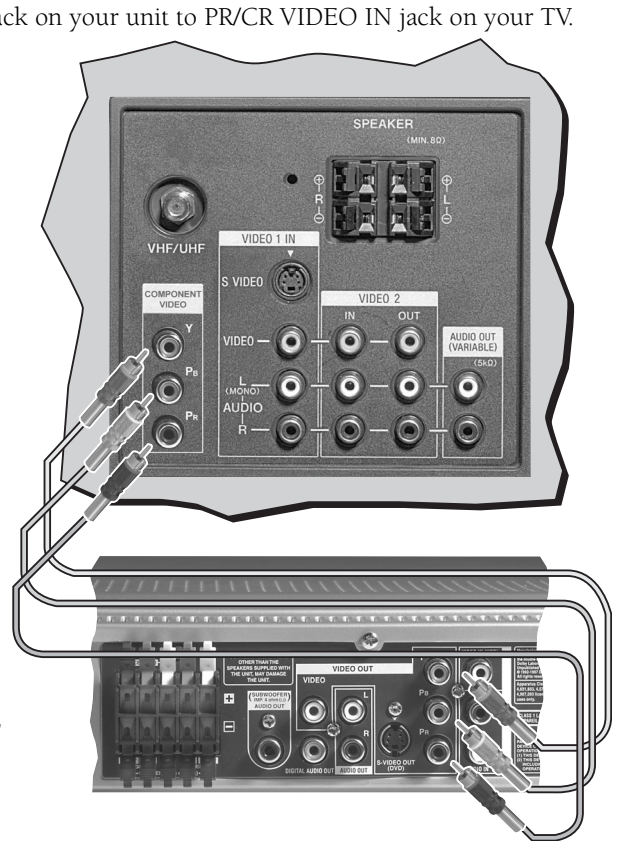
1. Connect your unit to your TV. .
2. Use a video cable (not supplied) to connect the **VIDEO IN (VCR)** jack on your unit to the VIDEO OUT jack on your VCR.
3. If you want the sound to come from the speakers of the main unit, you need to connect the left and right audio cables from the unit to your TV. Use an audio cable (not supplied) to connect the **AV IN L/R** jacks on your unit to the AUDIO OUT L/R jacks on your VCR.



Component Video Outputs (DVD)

1. Use an audio cable (not supplied) to connect the **AUDIO OUT L/R** jacks on your unit to the AUDIO IN L/R jacks on your TV (see "S-Video Jack" illustration).

2. Connect the **Y VIDEO OUT** jack on your unit to the Y VIDEO IN jack on your TV, the **PB/CB VIDEO OUT** jack on your unit to the PB/CB VIDEO IN jack on your TV, and the **PR/CR VIDEO OUT** jack on your unit to PR/CR VIDEO IN jack on your TV.



Progressive Outputs (DVD)

If your TV or monitor is equipped with component video inputs that are capable of reproducing a progressively scanned video signal.

1. Connect your unit to your TV as explained in "Component Video Outputs (DVD)".
2. Connect the component video cable to your TV.
3. Press **SETUP** on the remote control and select video output to YUV. See "Video Output" on Page 17 for instructions on how to select the video output.
4. Press **P. SCAN** on the remote control when the DVD is stopped. You can select the output signal for better picture quality.

CONNECTING OTHER AUDIO EQUIPMENT

Analog Connection

Use an audio/video cable (not supplied) to connect the **AUDIO OUT L/R** jacks on your unit to the AUDIO IN jack on the analog equipment.

Digital Connection

Use a coaxial digital audio cable (not supplied) to connect the **DIGITAL AUDIO OUT** jack on your unit to the DIGITAL AUDIO IN jack on the other equipment.

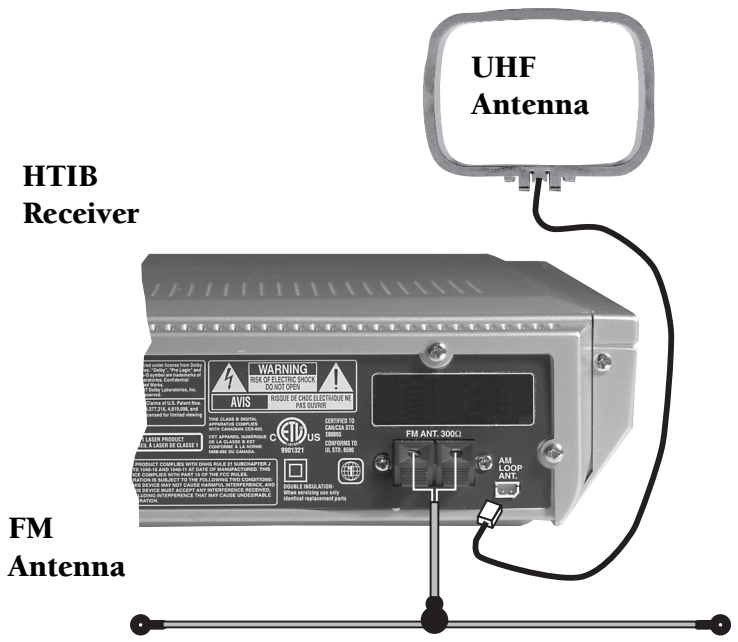
Notes:

- If the external equipment is a television and this audio system is close to it, you may experience interference.
- When in tuner mode, sound is only heard from the front left speaker, right speakers, and subwoofer.
- Some VCRs have different modes, such as stereo or mono, from which to select. Always set your VCR to stereo mode for the appropriate speaker outputs.
- Due to copyright protection, DVD movies cannot be copied. If you copy a DVD movie onto a videotape, the resulting copy will be unclear, with poor sound quality. This is NOT caused by a defective DVD system.
- When using the VCR, press **FUNCTION** to select **AV IN** mode. All speakers will be activated later.

CONNECTING ANTENNAS

FM Antenna

Connect the FM antenna (included) to the **FM ANT. 300Ω** terminal on the back of the unit.

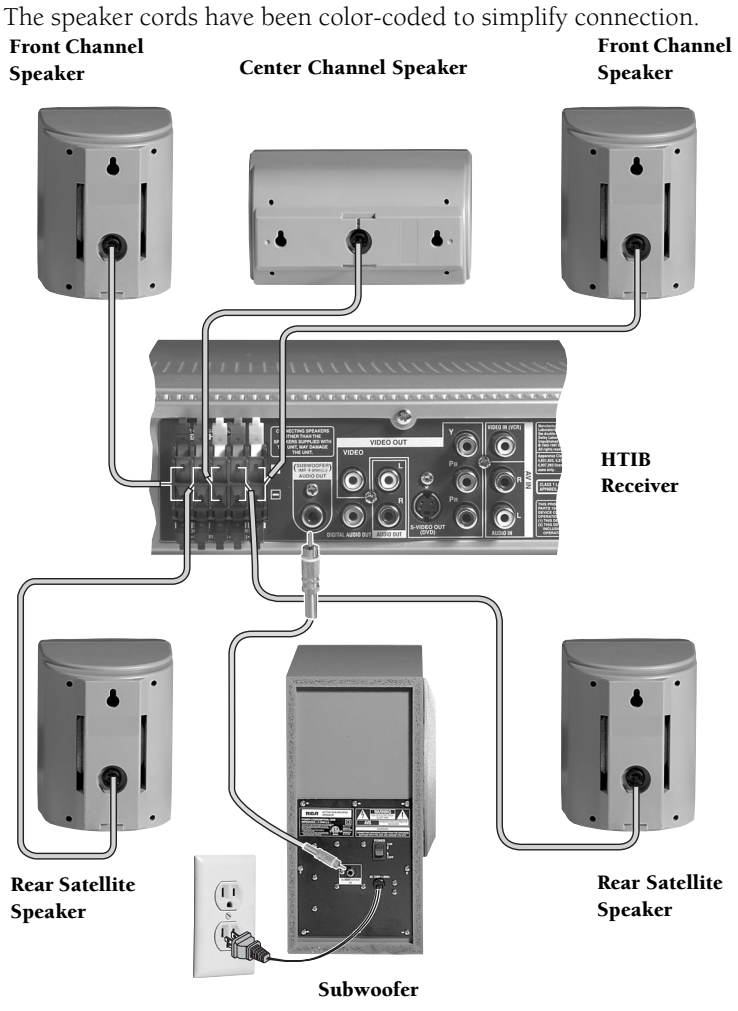


AM Loop Antenna

1. Connect the loop antenna (included) to the **AM LOOP ANT.** terminal on the back of the unit.
2. Snap the supplied stand to the bottom of the AM loop antenna and place it on a flat surface.
3. Keep the antenna as far away from the system, speaker cords, and power cord as possible. This prevents unwanted noise.

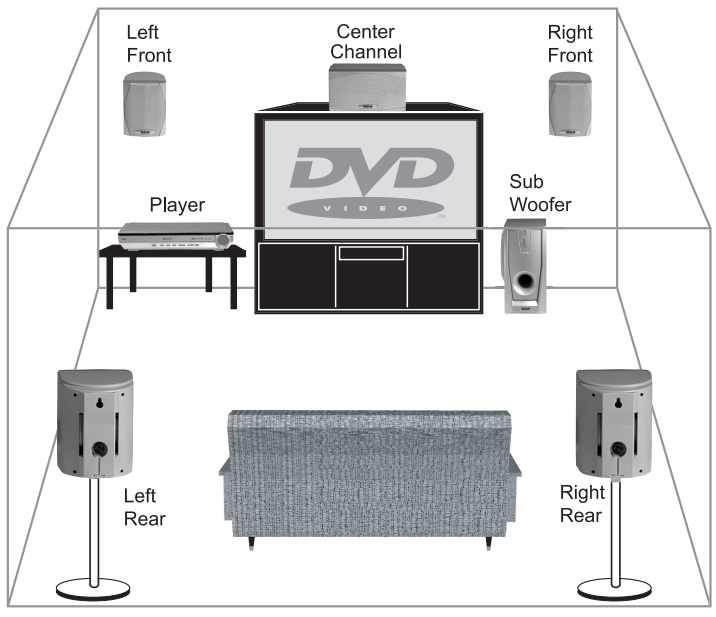
CONNECTING THE SPEAKERS

The speaker cords have been color-coded to simplify connection.



1. Plug the POSITIVE (+) and NEGATIVE (-) ends of each speaker wire into the corresponding jacks on the rear of the receiver, matching the color tube on the end of the speaker wire to the color-coded connector.
2. Connect each of the speaker wires to the satellite speakers. The front left/right and rear left/right speakers are all the same. Make sure to connect the center speaker, which is a little larger than the rest.
3. Use the supplied RCA cable to connect the **SUBWOOFER OUT** jack on the back of the unit to the SUBWOOFER IN jack on the back of the active subwoofer.

Speaker Positioning



Mounting Rear Surround Speakers

1. Mark the correct mounting position on the wall.
2. Insert a fixing screw(s) at the marked position on the wall.
3. Align the slot hole(s) of the speaker over the screw and pull the speaker downward until it is firmly hooked.

POWER CORD CONNECTION

1. Make sure that all the components and speakers are connected correctly.
2. To prevent electrical shock, match wide blade of the plug to wide slot on the outlet, and fully insert.
3. Be sure the AC power cord is disconnected and all functions are off before making connections.
4. When you are not going to use the unit for a long period of time, disconnect the power cord.

OPERATION

DISC FORMATS

The player is compatible with DVD, CD, CD-R CD-RW, MP3, and JPG discs. When ⃠ appears on the TV screen, this indicates that the function or operation is not available. This occurs because the DVD manufacturer determines the specific functions. Certain functions may not be available on some discs. Be sure to read the documentation provided with the disc.

Notes:

- This unit supports 2-channel (L/R) audio and 5.1ch (Multi-channel) MPEG Audio 1/2 (only when the DIGITAL AUDIO OUT coaxial jack is used for connection). It does not support 7.1 channel MPEG Audio Version 2.0.
- When playing back a CD-G (Graphics) or CD EXTRA disc, the audio portion plays, but the graphic images are not shown.
- You may not be able to play back some DVD discs on this unit if they were purchased from outside your geographic area or made for business purposes.

Dolby Pro Logic II

Dolby Pro Logic II creates five full-bandwidth output channels from two-channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts spatial properties of the original recording, without adding new sounds or tonal colorations.

Dolby Digital

Dolby Digital is a sound system developed by Dolby Laboratories Inc. that gives movie theatre ambience to audio output when connected to a Dolby Digital 5.1 channel processor or amplifier.

This unit automatically recognizes DVDs that have been recorded with Dolby Digital. Not all Dolby Digital sources are recorded with six channels. Some sources marked Dolby Digital may be recorded in Dolby Surround, a 2 channel system. Look for this logo on your DVD Unit.

WATCHING A DVD

1. Turn on the unit.
2. Repeatedly press **FUNCTION** on the remote control or the front panel until DVD appears on the display.
3. Turn on your TV and follow the instructions included with it to select the VIDEO function corresponding to the VIDEO IN jack you connected with the unit.

Note: If no button is pressed within two minutes, the screen saver is activated. To return to the normal screen, press any button.

WATCHING A VIDEOTAPE

1. Turn on the unit.
2. Repeatedly press **FUNCTION** on the remote control or the front panel until AV IN appears on the display.
3. Turn on your TV and follow the instructions included with it to select the VIDEO function corresponding to the VIDEO IN jack that is connected to the unit.
4. Turn on the VCR and follow the instructions included with it to play the videotape.

Note: If VCR audio is mono, the surround speaker sound level is low.

Title, Chapter and Tracks

DVDs are divided into “titles” and “chapters”. If the disc has more than one movie on it, each movie would be a separate “title”. “Chapters” are sections of “titles”. Numbers identify each title, chapter, and track on a disc. Most discs have these numbers recorded on them, but some do not.

Audio CDs are divided into “tracks”. A “track” is usually one song on an audio CD.

USING THE REMOTE CONTROL

Point the remote control at the remote sensor on the front of the unit. When there is a strong ambient light source, the performance of the infrared remote sensor may be degraded, causing unreliable operation. The recommended effective distance for remote operation is about 16 feet (5 meters).

Notes:

- When progressive output is activated, there is no video signal output from the S-video and RCA (CVBS) video jacks.
- To make sure your TV supports progressive scan component video signal, press **P. SCAN** twice until YUV appears on the display.
- If you do not press any button within a few seconds, the display returns to normal.

TURNING ON THE UNIT AND TV

1. Press **POWER** on the front panel or **STANDBY/ON**⏻ on the remote control to turn on the unit. If the unit is in standby mode, press **FUNCTION** or **PLAY** ► to turn on the unit.
2. Turn on the TV.

3. Select the channel on your TV corresponding to the VIDEO IN jack that the unit is connected to. See TV User guide for more information.
4. If you have connected the unit successfully, DVD VIDEO appears on your TV screen.

ADJUSTING THE SOUND

To adjust the sound balance while Pro Logic decoding is in effect, use the remote control to make the following changes:

Front speaker (left) — Press **SOUND** repeatedly until **LEFT** appears. Press ▼ or ▲ to adjust the sound level.

Front speaker (right) — Press **SOUND** repeatedly until **RIGHT** appears. Press ▼ or ▲ to adjust the sound level.

Center speaker — Press **SOUND** repeatedly until **CENTER** appears. Press ▼ or ▲ to adjust the sound level.

Rear speaker (left) — Press **SOUND** repeatedly until **REAR L** appears. Press ▼ or ▲ to adjust the sound level.

Rear speaker (right) — Press **SOUND** repeatedly until **REAR R** appears. Press ▼ or ▲ to adjust the sound level.

Subwoofer — Press **SOUND** until **WOOFER** appears. Press ▼ or ▲ to adjust the sound level.

Adjusting Sound Quality

Press **SOUND** to select an equalization mode (BASS or TREBLE). Bass and treble control the sound from the front left and right speakers. Press ▼ or ▲ to adjust the sound level.

BASS — the low range of sounds

TREBLE — the high range of sounds

Movie Mode

The Movie mode in Pro Logic II is very similar to that of the original Pro Logic decoder. The main difference is that it has stereo surround channels and no surround filter, unlike Pro Logic which has a mono surround channel and a 7 kHz surround filter. Movie mode is the standard required for all A/V systems. When an auto sound unit has a video screen, it is also considered an A/V system. It can be called simply "Pro Logic II".

Music Mode

The Music mode offers users some flexibility to control the end results to their own taste. Music mode should not be used with THX audio processing mode. Music mode is recommended as the standard mode for auto sound music systems (without video) and is optional for A/V systems. It is recommended that Music mode be identified as the "Music" version of Pro Logic II, to distinguish it from the Movie mode.

Pro Logic Emulation Mode

The Pro Logic emulation mode offers users the same robust surround processing as original Pro Logic, in case the source content is not of optimum quality, or if there is a desire to hear the program more "as it used to be". When this mode is used, it is called Pro Logic. There is no "Pro Logic I" mode. The Pro Logic emulation mode is optional. Dolby does not require PLII products to use the original Pro Logic decoding algorithm. However, if the DSP contains the original Pro Logic code, and if the product maker would like to use it, this is quite acceptable and even encouraged. A product must not offer both original Pro Logic and the Pro Logic emulation mode.

Matrix Mode

The Matrix mode is the same as the Music mode except that the directional enhancement logic is turned off. It may be used to enhance mono signals by making them seem "larger". The Matrix mode may also find use in auto systems, where the fluctuations from poor FM stereo reception can otherwise cause disturbing surround signals from a logic decoder. The ultimate "cure" for poor FM stereo reception may be simply to force the audio to mono.

Manufactured under license from Dolby Laboratories.

'Dolby' , 'Pro Logic' and DD are trademarks of Dolby Laboratories.

SELECTING THE LISTENING CHANNEL

1. When the disc is stopped, press **5.1 / 2.1 CHANNELS** on the remote control to select different speaker output.
2. While in AV IN mode, press **PRO LOGIC II** repeatedly on the remote control to select PRO LOGIC II (LED on the front panel illuminates).

Note: 2.1CH corresponds to the audio/sound output from the front left and front right speakers plus the subwoofer.

PLAYING A DISC

This owner's manual explains the basic instructions of this DVD unit. Some DVD discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD unit may not respond to all operating commands. This is not a defect in the DVD unit. Refer to the instruction notes of discs.

⊘ may appear on the TV screen during operation. A ⊘ means that the operation is not permitted by the DVD unit or the disc.

1. Press **POWER/STANDBY** on the front panel or press **STANDBY/ON⏻** on the remote control to turn on the unit while the unit is at standby mode.
2. Press **FUNCTION** to select **DVD** mode.
3. When **Load** or **NO DISC** appears, press **OPEN / CLOSE**. The disc tray opens.
4. Press **DISC1/DISC2/DISC3/DISC4/DISC5** on the remote control. The disc tray will automatically close, open, and automatically rotate one cycle and stop.
5. Place the first disc on the disc holder with the label side up.
6. Press **DISC1/DISC2/DISC3/DISC4/DISC5** to rotate the disc holder to load other discs.

7. Press **OPEN / CLOSE**. The disc tray closes. It takes a short while for your unit to load the discs. After loading, the unit will automatically start playback of the disc.
8. Press **PLAY ►** if playback does not start automatically.
9. Press **DISC1/DISC2/DISC3/DISC4/DISC5** or **DISC SKIP** to select other discs to play.

Notes:

- During playback, you can add a disc to the disc tray without interruption. If you press **OPEN/CLOSE** on the remote control to open the disc tray, place the new disc on the tray, and press **OPEN/CLOSE** on the remote control again to close the disc tray. The current disc playback will not be interrupted. If you press **OPEN/CLOSE** on the front panel rather than the remote, the disc will stop playing.
- You can press **DISC SKIP** to choose a track on the current disc. You also can press **DISC1/DISC2/DISC3/DISC4/DISC5** on the remote control to choose the desired disc.
- When the disc stops for more than about 30 minutes, or if there is no disc in the player, the system automatically enters Standby mode.

Still Mode

Press **PAUSE II** . II PAUSE appears on the screen. To resume normal playback, press **PLAY ►**. The sound is muted while paused.

Stopping Playback

1. Press **STOP■** at the location where you want to interrupt playback. To resume playback at the position where the disc was stopped, press **PLAY ►**.
2. Press **STOP ■** twice. The unit's memory is cleared. Press **PLAY ►** to reset the disc to the beginning.

Skipping to a Different Track (DVD/CD)

Press **⏮SKIP** or **⏮NEXT** once to skip to the start of the previous track.

Press **SKIP ⏭** or **PREV ⏭** to skip to the next track.

For audio CD discs, use the number buttons (remote control only) to jump straight to a specific track number.

Fast Forward/Fast Reverse (DVD/CD)

1. Press **⏮ SKIP ⏭** when a disc is playing. The disc plays forward or backward at double speed. Each time **⏮ SKIP ⏭** is pressed, the fast scan speed changes in sequence: x2, x4, x8, x20.

Note: You also can press **⏮ SKIP ⏭** repeatedly to select different fast scan speeds.

2. Press **PLAY ►** to resume playback at normal speed.

Slow-Motion Play (DVD)

1. Press **◄I SLOW** or **SLOW I►** in play mode. Two speeds are available. Each time **◄I SLOW** or **SLOW I►** is pressed, the speed of slow-motion playback changes in the following sequence: x½ and x¼.
2. Press **PLAY ►** to return to normal playback speed.

Skip (Forward/Reverse) (DVD/CD)

While you are playing a disc, press **NEXT ⏭** on the remote or **SKIP ⏭** on the front panel to move to the beginning of the next chapter or track. Press **PREV ⏮** on the remote or **SKIP ⏮** on the front panel to move to the previous chapter or track and automatically start playing it.

Zooming into an Image

1. While a disc is playing, press **ZOOM TV MODE**. While an image is zoomed, you can use **▼, ▲, ◄,** or **►** to shift the view.
2. To return to the normal view, press **ZOOM TV MODE** until Q OFF appears on the display and the screen returns to normal.
3. When you reach the edge of the image, the display will not shift anymore in that direction.

Angle Selection

Some DVDs contain scenes which have been shot from different angles. For these discs, the same scene can be viewed from each of these different angles. The recorded angles differ depending on the disc used.

1. While you are playing a DVD with different angles recorded, press **ANGLE** to view the number of the current angle.
2. Press **ANGLE** repeatedly to change the scene to the next recorded angle.

Notes:

- About two seconds later, playback continues from the new angle you selected.
- If no button is pressed within 10 seconds, playback continues without changing the current angle.
- This function can only be used for discs on which scenes shot from multiple angles have been recorded.

Audio Selection

On some discs, the sound is recorded in two or more formats.

1. While a disc is playing, press **AUDIO** to view the current audio format number.
2. Press **AUDIO** repeatedly to select the desired audio format.

Notes:

- If only one audio format is recorded, the number does not change.
- About two seconds later, playback continues in the new audio format.

Subtitle Selection

1. While a DVD is playing, press **SUBTITLE** to view the current language.
2. Press **SUBTITLE** repeatedly to select the subtitle language.

Notes:

- If only one language is recorded, the language does not change.
- About two seconds later, playback continues with the new subtitle you selected.
- The number of languages recorded is dependent on the disc.
- If no button is pressed within a few seconds, playback continues without changing the current subtitle.
- This function can only be used for discs on which subtitles have been recorded in multiple languages.
- On some DVDs, subtitles are activated from the DVD main menu. Press **MENU** to view the DVD main menu.

SPECIAL FUNCTIONS

Display

You can check and change the settings for angle, audio, and subtitle.

1. While the disc is playing, press **DISPLAY** to view:

   Elapsed time: Elapsed time from the beginning of the chapter which is playing currently.

   Remaining time: Remaining time of the title which is playing currently.
2. Press **DISPLAY** twice.
3. Press **ANGLE**, **AUDIO** or **SUBTITLE** to change the item.
4. Press **DISPLAY** to return to the normal screen.

Angle Setting

Press **ANGLE**. The current angle appears. Repeatedly press **ANGLE** to select the desired angle.

Audio Setting

Press **AUDIO**. The current audio type appears. Press **AUDIO** to select your desired type of audio.

Subtitle Setting

Press **SUBTITLE**. The current subtitle number and language appear. Press **SUBTITLE** to select your desired language.

GOTO

This function allows you to skip directly to any part of the disc while a disc is playing.

Title Skip

Press **GOTO**. The number of the title currently playing and total number of titles on the disc appear. Press **GOTO** to select a title, and press **ENTER** to confirm.

Chapter Skip

The number of the chapter currently playing and total chapters of the currently played title. Press **GOTO** to select a chapter, and press **ENTER** to confirm.

Time Skip

Press **GOTO** to view elapsed time from the beginning of the current chapter, and the remaining time from the beginning of the current title. Press **GOTO** to select when to start playback, and press **ENTER** to confirm.

Locating a Specific Title/Chapter/Track (DVD/CD)

You can locate a specific title, chapter, or track by selecting the title, chapter, or track number.

1. Press **GOTO**.
2. Press ▼, ▲, ◄, or ► to highlight the title, chapter, or track.
3. Use the number button(s) to enter the chapter, title, or track number.
4. Press **ENTER**. The unit starts playback about three seconds later.
5. Press **CLEAR** to reset.

Locating a Specific Time (DVD/CD)

You can move to a specific location by entering its corresponding time (hours, minutes, and seconds)

1. Press **GOTO**.
2. Press ▼, ▲, ◄, or ► to highlight **Time**.
3. Use the number buttons to enter the desired time.

   The first two numbers represent hours.

   The second two numbers represent minutes.

   The third two numbers represent seconds.
4. Press **ENTER** to confirm. The unit starts playback about three seconds later.
5. Press **CLEAR** to reset the time.

Notes:

- Some discs may not respond to this process.
- Some scenes may not be located as precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD disc.

Angle Setting (DVD)

1. Press **DISPLAY** twice. The Function menu appears and you can see how many angles are recorded on the disc.
2. Press **ANGLE** repeatedly to select the desired angle.
3. The unit changes to the selected angle about three seconds later.
4. Press **DISPLAY** to return to the normal view.

Audio Setting (DVD)

1. Press **DISPLAY** twice. The Function menu appears and you can see how many audio formats are recorded on the disc.
2. Repeatedly press **AUDIO** to select the desired type of audio.
3. The unit changes to your selected audio type about three seconds later.
4. Press **DISPLAY** to return to the normal view.

Subtitle Setting (DVD)

1. Press **DISPLAY** twice. The Function menu appears and you can see how many subtitle formats are recorded on the disc.
2. Repeatedly press **SUBTITLE** to select your desired language. The unit changes to your selected language about three seconds later.
3. Press **DISPLAY** to return to the normal view.

PROGRAMMABLE MEMORY

DVD

The two types of programmed playback provided by this unit are title programmed playback and chapter programmed playback.

Title/Chapter Programmed Playback

1. Press **MEMORY** while the disc is stopped.
2. Enter the title numbers.
3. Use ◄ or ► to highlight and enter the chapter numbers.
4. Use ▼, ▲, ◄, or ► to move to other fields and enter other titles and chapters.
5. Repeat Steps 2 and 3.
6. Press **PLAY** ► to start programmed playback.

Notes:

- If you press **STOP** ■ twice, programmed selections are cleared.
- If you press **CLEAR** while entering a title or chapter number, the numbers are erased and you can enter them again.

CD

Track Programmed Playback

1. Press **MEMORY** while the disc is stopped.
2. Enter the track number.
3. Use ▼, ▲, ◄, ► to move to and enter additional track numbers.
4. Repeat Step 2.
5. Press **PLAY** ► to start programmed playback.

Note: If you press **CLEAR** while entering a track number, the numbers are erased and you can enter them again.

Repeat Playback

You can play a specific title or chapter repeatedly.

Repeating a Title (DVD)

While the disc is playing, repeatedly press **REPEAT DISC** until **Repeat Title** appears on the screen. The current title is played repeatedly.

Repeating a Chapter

While the disc is playing, repeatedly press **REPEAT DISC** until **Repeat Chapter** appears on the screen. The current chapter is played repeatedly.

To resume normal playback, repeatedly press **REPEAT DISC** until **Repeat Off** appears on the screen.

Repeating a Single Track (CD)

While the disc is playing, repeatedly press **REPEAT DISC** until **Repeat Single** appears on the screen. The current track is played repeatedly.

Repeating a Whole Disc

While the disc is playing, repeatedly press **REPEAT DISC** until **Repeat All** appears on the screen. The whole disc is played repeatedly.

To resume normal playback, repeatedly press **REPEAT DISC** until **Repeat Off** appears on the screen.

Repeating a Specific Section (DVD/CD)

1. While a disc is playing, press **REPEAT A-B** at the beginning of the section you want to play repeatedly. **Rep A-** appears.
2. Press **REPEAT A-B** again at the end of the section. **Rep A- B** appears. The unit immediately begins replaying your selection.
3. To resume normal playback, press **REPEAT A-B** until **Off** appears.

Notes:

- A-B repeat can only be used within the same title.
- A-B repeat does not operate in scenes where different camera angles are recorded.

PLAYING MP3 AND PICTURE FILE CDS

Playing an MP3 Disc

1. Press **OPEN/CLOSE** to open the disc tray.
2. Insert an MP3 disc in the disc tray, label side up.
3. Press **OPEN/CLOSE** to close the disc tray. The unit loads the disc and begins playback.
4. To pause playback, press **PAUSE ⏸** .

   To resume playback, press **PLAY ►**.
5. To skip to the next or previous file while playing:

   Press **NEXT ⏭** on the remote control or **SKIP⏭** on the front panel to skip to the beginning of the next file. Each time you press **NEXT ⏭** or **SKIP⏭**, the beginning of the next file is located and played back.

   Press **PREV ⏮** on the remote control or **SKIP ⏮** on the front panel to skip back to the beginning of the previous file. Each time you press **PREV ⏮** or **SKIP ⏮** , the beginning of the previous file is located and played back.
6. You also can press **GOTO** to enter a file number, and press **ENTER** to begin playback.
7. To stop playback, press **STOP ■**.

Notes:

- You cannot fast-reverse or fast-forward an MP3 disc.
- During MP3 playback, if you press **STOP ■**and then press **PLAY ►** again, the disc starts to play from the beginning of the file which you stopped.

On-Screen Display

1. Turn on your TV to view the on-screen display of MP3 files.

Press ▼, ▲, ◄, or ► to select a file to listen to.

2. Press **ENTER** to play the file.

The ability of this unit to read MP3 discs is dependent on:

- The bit rate must be 64 - 256 kbps.
- The total number of files on the disc should not exceed 254.
- The maximum number of directories should not exceed 32.
- The maximum depth level of directories should not exceed 4.
- File names should be named using eight or fewer letters and/or numbers, and must incorporate the “MP3” file extension. EXAMPLE: ********.MP3 where each * is a letter or number.
- Use only letters and/or numbers in file names. If you use special characters, the file and/or folder names may not appear correctly.
- When recording on CD-R discs, use 74-minute (650Mb) discs.
- The CD-R or CD-RW discs should be “finalized” in the computer by “single session format”.

Playing a Picture CD

1. Press **OPEN /CLOSE** to open the disc tray.
2. Insert a picture CD in the disc tray, label side up.
3. Press **OPEN/CLOSE** to close the disc tray.
4. Press **DISC 1-5** to select and load the desired disc.
5. Press **PLAY ►**. The next picture automatically appears after about five seconds.

Notes:

- Press **MENU** or **STOP ■** to view thumbnail images.
- Press **NEXT ⏭** or **PREV ⏮** to review all the images. To review one image in full-screen, use ▼, ▲, ◄, or ► to highlight the image and press **ENTER** to confirm. The image you selected appears on your TV in full-screen.
- Press **PLAY ►**. The images automatically appear one by one for about five seconds each.
- Press **PAUSE ⏸** to interrupt playback, and press **PLAY ►** to resume playback.
- Press **ANGLE** to rotate the picture orientation by 90 degrees.
- Press **AUDIO** to change the picture presentation direction.
- Press **SUBTITLE** to return to the main menu for MP3 and Picture CDs.
- Press **ZOOM** while playing a picture CD to enlarge the picture up to three times.

TUNING TO A STATION MANUALLY

1. Press **POWER** to turn on the unit.
2. Repeatedly press **FUNCTION** until the frequency band appears on the display.
3. Press **BAND** on the remote control or **STOP ■/BAND** on the front panel to select the desired band (**AM** or **FM**).
4. Press **⏮ TUNING ⏭** to tune to the desired station.

FM STEREO

Repeatedly press **FM MODE** until **STEREO** appears on the display.

Weak FM Stations

Repeatedly press **FM MODE** until **MONO** appears on the display. Background noise is reduced, but the signal is mono. To restore stereo reception, press **FM MODE** until **STEREO** appears.

TO SEARCH FOR A STATION AUTOMATICALLY

Hold down **⏮ TUNING ⏭** on the remote or front panel for a few seconds to search for a station automatically. After tuning in a

station, the search stops. The search may not stop at a station with a very weak signal.

Presetting Stations

You can tune to a stored station directly by entering the preset number. You can preset up to 20 stations in the FM band, and up to 20 stations in the AM band.

1. Press **POWER** to turn on the unit.
2. Repeatedly press **FUNCTION** until the frequency band appears on the display.
3. Press **BAND** to select the desired band.
4. Use **⏮ TUNING ⏭** to find your desired station.
5. Press **MEMORY**.
6. Repeatedly press **NEXT ⏭** or **PREV ⏮** to select a preset number.
7. Press **MEMORY** to store the station.
8. Repeat steps 3-7 to store other stations.

Tuning to a Preset Station

1. Press **POWER** to turn on the unit.
2. Repeatedly press **FUNCTION** until the frequency band appears on the display.
3. Repeatedly press **BAND** to select the desired band.
4. Press **PLAY ►**, and then **NEXT⏭** or **PREV ⏮** to select the preset station number, or use the number buttons to manually enter the station number.

   Example: To select preset number 15, press +10 and 5.

   To select preset number 10, press +10 and 0.

CUSTOMIZING THE FUNCTION SETTINGS

LANGUAGE Setting

1. Repeatedly press **FUNCTION** until DVD appears on the display.
2. Press **STOP ■** so that no disc is playing.
3. Press **SETUP**.
4. Use ◄ and ► to select **Language**, and press **ENTER**.
5. Use ▼ and ▲ to select **English**, and press **ENTER**. The screen changes to English immediately.
6. To exit and return to the normal screen, press **RETURN ↶** .

VIDEO Setting

TV Shape

1. Press **SETUP**.
2. Use ◄ and ► to select **Video**, and press **ENTER**.
3. Use ▼ and ▲ to select **TV Shape**, and press **ENTER**.
4. Use ▼ and ▲ to select the TV type, and press **ENTER**.
5. To exit and return to the normal screen, press **RETURN ↶** .

4:3 Pan Scan

When wide-screen video material is played, the right and left sides of the image are clipped so that it can be viewed on a conventional TV screen. Some wide-screen DVDs that do not permit Pan Scan playback are automatically played in letterbox mode.

4:3 Letter Box

When wide-screen video material is played in this mode on a conventional TV screen, black bands appear at the top and bottom.

16:9 Wide-screen

This is the correct mode for playing wide-screen videos on a wide-screen TV. You must also set your screen mode on your wide-screen TV to FULL. The actual appearance of the image depends on the screen mode setting of your wide-screen TV.

Notes:

- The displayed picture size is preset on the DVD disc. The playback picture of some DVD discs may not conform to the picture size you select.
- When you play DVD discs recorded in 4:3 picture size, the playback picture always appears in 4:3 picture size, regardless of the TV shape setting.
- If you select 16:9 wide-screen mode and you own a 4:3 TV set, the DVD playback picture is horizontally distorted. Images appear to be horizontally compressed. Be sure that your TV shape conforms to the actual TV in use.

Video Output

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Video**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Video Output,** and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select the signal, and press **ENTER**.
5. To exit and return to the normal screen, press **RETURN ↶** .

Note: Always set Video Output in CVBS, otherwise, the picture on the TV may be distorted. If this occurs, and you cannot see the screen, follow these instructions:

1. Press **FUNCTION** to select DVD mode.
2. Open the disc tray.
3. Press **SETUP**, ► , **ENTER**, ▼, **ENTER**, ▲ , **ENTER**, and **RETURN ↶** .

Brightness

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Video**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Brightness**, and press **ENTER**.

4. Use ▼, ▲, ◄ or ► to select **Off** or **On**, and press **ENTER**.

   On — Picture will have raised brightness to clarify details.

   Off — Picture will have deepened colors.

5. To exit and return to the normal screen, press **RETURN** ↶ .

Edges

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Video**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Edges**, and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select **Sharpen**, **Soften**, or **Off**, and press **ENTER**.

   Sharpen — Fine detail will be easier to see.

   Soften — Soft-focus effect.

   Off — Picture will be returned to normal.

5. To exit and return to the normal screen, press **RETURN** ↶ .

AUDIO Setting

Digital Out

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Digital Out**.
4. Repeatedly press **ENTER** to select a digital out type.
5. To exit and return to the normal screen, press **RETURN** ↶ .

   Raw — Does not have a Dolby Digital Decode.

   PCM — Dolby Digital decoding to PCM digital format.

L/R Speaker

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **L/R Speaker**, and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select the desired setting, and press **ENTER**.

   Small — Small size of Speaker.

   Large — Large size of Speaker.

5. To exit and return to the normal screen, press **RETURN** ↶ .

Note: You can adjust the channel balance on your unit. Please see “Adjusting the Sound” on Page 12.

Subwoofer

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Subwoofer**, and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select the desired setting, and press **ENTER**.

   On — Turn on the Subwoofer.

   Off — Turn off the Subwoofer.

5. To exit and return to the normal screen, press **RETURN** ↶ .

Note: You can adjust the channel balance on your unit. Please see “Adjusting the Sound” on Page 12.

Surround Delay

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Surround Delay**.
4. Repeatedly press **ENTER** to select the Surround Delay type. **0/15ms**, **5/20ms**, 1**0/25ms** or **15/30ms** appears.
5. To exit and return to the normal screen, press **RETURN** ↶ .

Notes:

- The first number represents Dolby Digital and the second number represents Pro Logic.
- The delay adjustment depends on the location of your surround speakers and front speakers. If the location of the surround speakers are closer than the front speakers, the delay adjustment can compensate the distance difference.

Center Delay

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Center delay**.
4. Repeatedly press **ENTER** to select the Surround Delay type. **0ms**, **1ms**, **2ms**, **3ms**, **4ms** or **5ms** appears.
5. To exit and return to the normal screen, press **RETURN** ↶ .

Note: This delay adjustment depends on the location of your center speaker. If the distance between the center speaker and the listener is less than the distance between the front right and left speaker and the listener, the delay adjustment is balanced.

Pink Noise

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Audio**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ►to select **Pink noise**, and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select the desired setting, and press **ENTER**.

   Off — Pink noise test mode should always be off unless you are testing your speakers.

   Left — Pink noise comes from front left speaker for testing.

   Center — Pink noise comes from center speaker for testing.

   Right — Pink noise comes from front right speaker for testing.

   Left Sur — Pink noise comes from rear surround left speaker for testing.

   Right Sur — Pink noise comes from rear surround right speaker for testing.

   Subwoofer — Pink noise comes from subwoofer for testing.

5. To exit and return to the normal screen, press **RETURN** ↶ .

Note: While checking speaker pink noise, press **SOUND** to adjust the channel balance. See “Adjusting the Sound” on Page 12.

RATING Setting

Password/Parental Lock

DVD discs equipped with a password function are rated according to their content. The contents allowed by a parental lock level and the way a DVD disc can be controlled may vary from disc to disc. For example, if the disc allowed, you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or you could lock out disc playback altogether.

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Rating**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Parental Lock**.
4. Press **ENTER** repeatedly to set the parental lock level.
5. Use ▼, ▲, ◄ or ► to select **Yes**, and press **ENTER**.
6. If you make a mistake before pressing **ENTER**, press **CLEAR** and enter your 4-digit security code again.

You cannot play DVD discs rated higher than the level you select unless you cancel the parental lock function. The parental lock level is equivalent to the following ratings.

Level 1: Kid Safe

Level 2: G

Level 3: PG

Level 4: PG_13

Level 5: PG_R

Level 6: R

Level 7: NC_17

Level 8: Adult

7. To exit and return to the normal screen, press **RETURN** ↶ .

🔓 — Select when you activate the parental lock feature or change the settings.

🔒 — Parental lock is active.

If you forget the password, you can erase your current password by pressing **8** four times on the remote, and press **ENTER** to confirm the setting.

Factory Set

If you want to return the setting to the factory default, do the following:

1. Press **SETUP**.
2. Use ▼, ▲, ◄ or ► to select **Rating**, and press **ENTER**.
3. Use ▼, ▲, ◄ or ► to select **Factory Set**, and press **ENTER**.
4. Use ▼, ▲, ◄ or ► to select **Setting**, and press **ENTER**. The unit returns to the initial, default setting.
5. To exit and return to the normal screen, press **RETURN** ↶ .

LANGUAGE CODE LIST FOR DISC LANGUAGE

Code	Languge	Code	Language	Code	Language	Code	Language
AA	Afar	HI	Hindi	OC	Occitan	TW	Twi
AB	Abkhazian	HR	Croatian	OM	(Afan) Oromo	UK	Ukrainian
AF	Afrikaans	HU	Hungarian	OR	Oriya	UR	Urdu
AM	Ameharic	HY	Armenian	PA	Panjabi	UZ	Uzbek
AR	Arabic	IA	Interlingua	PL	Polish	VI	Vietnamese
AS	Assamese	IE	Interlingue	PS	Pashto, Pushto	VO	Volapuk
AY	Aymara	IK	Inupiak	PT	Portuguese	WO	Wolof
AZ	Azerbaijani	IN	Indonesian	QU	Quechua	XH	Xhosa
BA	Bashkir	IS	Icelandic	RM	Rhaeto-Romance	YO	Yoruba
BE	Byerlorussian	IT	Italian	RN	Kirundi	ZH	Chinese
BG	Bulgarian	IW	Hebrew	RO	Romanian	ZU	Zulu
BH	Bihari	JA	Japanese	RU	Russian		
BI	Bislama	JI	Yiddish	RW	Kinyarwanda		
BN	Bengali	JW	Javanese	SA	Sanskrit		
	Bangla	KA	Georgian	SD	Sindhi		
BO	Tibetan	KK	Kazakh	SG	Sangho		
BR	Breton	KL	Greenlandic	SH	Serbo-Croatian		
CA	Catalan	KM	Cambodian	SI	Singhalese		
CO	Corsican	KN	Kannada	SK	Slovak		
CS	Czech	KO	Korean	SL	Slovenian		
CY	Welsh	KS	Kashmiri	SM	Samoan		
DA	Danish	KU	Kurdish	SN	Shona		
DE	German	KY	Kirghiz	SO	Somali		
DZ	Bhutani	LA	Latin	SQ	Albanian		
EL	Greek	LN	Lingala	SR	Serbian		
EN	English	LO	Laothian	SS	Siswat		
EO	Esperanto	LT	Lithuanian	ST	Sesotho		
ES	Spanish	LV	Latvian, Lettish	SU	Sudanese		
ET	Estonian	MG	Malagasy	SV	Swedish		
EU	Basque	MI	Maori	SW	Swahili		
FA	Persian	MK	Macedonian	TA	Tamili		
FI	Finnish	ML	Malayalam	TE	Telugu		
FJ	Fiji	MN	Mongolian	TG	Tajik		
FO	Faroese	MO	Moldavian	TH	Thai		
FR	French	MR	Marathi	TI	Tigrinya		
FY	Frisian	MS	Malay	TK	Turkmen		
GA	Irish	MT	Maltese	TL	Tagalog		
GB	Scots Gaelic	MY	Burmese	TN	Setswana		
GL	Galician	NA	Nauru	TO	Tonga		
GN	Guarani	NE	Nepali	TR	Turish		
GU	Gujarati	NL	Butch	TS	Tsonga		
HA	Hausa	NO	Norwegian	TT	Tatar		

CARE

Keep the home theater system dry; if it gets wet, wipe it dry immediately. Use and store the home theater system only in normal temperature environments. Handle the home theater system carefully; do not drop it. Keep the home theater system away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Caution: You might permanently damage your speakers by cleaning them with a vacuum cleaner. Use a feather duster or a soft loose cloth instead.

SERVICE AND REPAIR

If your home theater system is not performing as it should, take it to your local RadioShack store for assistance. To locate your nearest RadioShack, use the store locator feature on RadioShack's website (www.radioshack.com), or call 1-800-The Shack (843-7422) and follow the menu options. Modifying or tampering with the home theater system's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

CLEANING THE UNIT

- Turn the unit off and disconnect the AC power cord before cleaning the unit.
- Wipe the unit with a dry soft cloth.
- If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a week soap-and-water solution and wrung out thoroughly, then wipe with a dry cloth.
- Never use alcohol, benzine, thinner, cleaning fluid or other chemicals. And do NOT use compressed air to remove dust.

Important Note: Before transporting the unit, remove disc from the CD tray.

CLEANING A DISC

- A defective or soiled disc inserted into the unit can cause sound to drop out during playback.
- Do not stick paper or tape on the surface.
- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.
- Never use solvents such as benzine or alcohol to clean the disc.
- Do not use irregular shape discs (heart shaped, octagonal). They may cause malfunctions.
- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).
- Do not store CDs in high temperature or high humidity areas. They might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.
- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective case or sleeve when it is not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use RadioShack Scratch 'n Fix to repair the disc.

TROUBLESHOOTING

Problem	Cause / Solution
No Power.	Check that the AC power cord is connected.
No Picture.	The disc region number doesn't match the region number of this unit. The TV is not set to receive DVD signal output. The video cable is not connected. The TV is not turned on.
The Picture is not clear.	Clean the disc. If video from your system has to go through your VCR to get to your TV, the copy-protection applied to some DVD programs could affect picture quality. If you still experience problems after checking your connections, try connecting your unit directly to your TV through the S-Video-input. The disc is scratched. The DVD unit may be set to progressive scan, and your TV does not support a Progressive Scan component video signal. Press **P.SCAN** twice until **CVBS** appears. The location and orientation of the antenna are incorrect. If you use an indoor antenna, change to an outdoor antenna. The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the unit.
No sound or only a very low-level sound is heard.	Check that the speakers and equipment are connected securely. Make sure that you've selected the corrected equipment on the system. The system is in pause mode or in slow-motion play mode. Press **PLAY►** to return to normal play mode. Fast-forward or fast-reverse is performed. Press **PLAY ►** to return to normal play mode. Check the speaker settings. Make sure that audio output and AV IN input connections are correct. Adjust the speaker volume. The DTS DVD disc cannot be decoded to have speaker output. This unit is too hot. Turn it off and allow half an hour for cooling down. Use the Pink Noise setting to test the speaker (See “Customizing the Function Settings” on Page 17. Make sure you power on the rear subwoofer.
Severe hum or noise is heard.	Check that the speakers and equipment are connected securely. Check that the connecting cords are away from a transformer or motor, and at least 10 feet (3 meters) away from a TV set or fluorescent light. Move your TV away from the audio equipment. The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol. Clean the disc. Vibrations from the speakers are affecting the unit.
The remote control does not work.	Remove any obstacles between the remote and the unit. Use the remote closer to the unit. Point the remote at the remote sensor on the unit. Replace all the batteries in the remote with new ones.
The disc does not play.	There is no disc inside (**No Disc** appears on the TV screen). Insert the disc correctly with the playback side facing down on the disc tray. Clean the disc. A non-NTSC disc or PAL disc has been inserted. The unit and disc region number are incompatible. Press **ZOOM TV MODE** on the remote control to input the video signal. Condensation may have formed inside the unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.
The DVD door cannot open.	Reset the unit, press **POWER** to turn off the unit, wait for a few seconds, and then restart the unit.

THE FCC WANTS YOU TO KNOW

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your home theater system.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

SPECIFICATIONS

Unit

Power Supply ..... AC 120V ~ 60Hz

Power Consumption ..... 116 W

Signal System Standard ..... NTSC / TV MODE

Laser ..... Semiconductor laser, wavelength 650/780nm

Signal-to-noise ..... More than 95dB

Audio Dynamic Range ..... More than 93dB

Harmonic Distortion ..... Less than 1%

Operating Temperature ..... 41°F to 95°F (5°C to 35°C)

Operating Humidity ..... 5% to 85% (no condensation)

Video Output / Input

Output Level .....1 Vp-p (75Ω)

Jack ..... Pin jack

Audio Output / Input

Output Level ..... 1.80 ± 0.2 Vrms (1 kHz, 0dB)

Jack ..... Pin jack

Speaker Section

Speakers ..... Front/Center/Rear

Speaker System ..... Bass reflex

Speaker unit ..... 70 mm dia. cone type

Rated Impedance 6Ω

Subwoofer Section

Speaker System ..... Bass reflex

Speaker unit ..... 180 mm dia. cone type

Rated Impedance 4Ω

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Two-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for two (2) years from the date of purchase from RadioShack company- owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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RadioShack Corporation
Fort Worth, Texas 76102

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